

Title (en)
SAFETY TROCAR

Publication
EP 0511676 A3 19930113 (EN)

Application
EP 92107416 A 19920430

Priority
US 69358291 A 19910430

Abstract (en)
[origin: EP0511676A2] A safety trocar 10 is provided in which the cannula 14 is reciprocally mounted to the cannula housing 21 and reciprocates into the cannula housing 21 when a proximally directed force is applied thereto. The piercing tip 12 is maintained in the exposed position by a latching mechanism 100 associated with the obturator shaft, and is automatically withdrawn into the cannula under the force of a spring 28 when the proximal force is removed from the cannula, the cannula thus advancing distally and releasing the latching mechanism. Penetration force is maintained at a minimum, and safe and efficacious trocar entry is facilitated. <IMAGE>

IPC 1-7
A61B 17/34

IPC 8 full level
A61B 17/34 (2006.01); **A61B 17/00** (2006.01); **A61B 19/00** (2006.01)

CPC (source: EP US)
A61B 17/3476 (2013.01 - EP US); **A61B 17/3496** (2013.01 - EP US); **A61B 2017/00544** (2013.01 - EP US); **A61B 2090/08021** (2016.02 - EP US)

Citation (search report)
• [XP] EP 0479130 A1 19920408 - UNITED STATES SURGICAL CORP [US]
• [A] WO 8903661 A1 19890505 - ENDOTHERAPEUTICS [US]
• [AD] US 4601710 A 19860722 - MOLL FREDERIC H [US]
• [A] US 4654030 A 19870331 - MOLL FREDERIC H [US], et al

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US5851216A; EP0540887B1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0511676 A2 19921104; EP 0511676 A3 19930113; EP 0511676 B1 19960717; CA 2067530 A1 19921031; CA 2067530 C 20021126; DE 69212210 D1 19960822; DE 69212210 T2 19970102; US 2003135229 A1 20030717; US 5295993 A 19940322; US 5486190 A 19960123; US 6497716 B1 20021224; US 7169159 B2 20070130

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